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OF PATENT APPLICATION.
WASHINGTON, D.C. 20231

CASE FILE NO. YOR920000763US1
DATE: November 3, 2000

Express Mail Label Number:
EL480513492US
Date of Deposit: November 3, 2000

Transmitted herewith for filing is the Patent Application of:

Inventors: Charanjit Singh Jutla.

For: IMPROVED SYMMETRIC KEY AUTHENTICATED ENCRYPTION SCHEMES

Enclosed are:

X 12 Sheets of Drawings.

X An assignment of the invention to International Business Machines Corporation, Armonk, New York 10504.

_____ A certified copy of a _____ application.

X Declaration and Power of Attorney is attached to the application.

____ Associate Power of Attorney.

Information Disclosure Statement with form PTO-1449 with references attached.

The filing fee has been calculated as shown below:

| | (Col. 1) | (Col. 2) | OTHER THAN A SMALL ENTITY | |
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| FOR: | NO. FILED | NO. EXTRA | RATE | FEE |
| BASIC FEE | | | | \$ 710.00 |
| TOTAL CLAIMS | 45 - 20 = | 25 | X \$ 18 = | \$ 450.00 |
| INDEP CLAIMS | 5 - 3 = | 2 | X \$ 80 = | \$ 160.00 |
| ____ MULTIPLE DEPENDENT CLAIM PRESENTED | | | + \$270 = | \$ 0.00 |
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x Any additional filing fees required under 37 CFR 1.16.

x Any patent application processing fees under 35 CFR 1.17.

Respectfully submitted,

By Louis Herzberg
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IBM CORPORATION
INTELLECTUAL PROPERTY LAW DEPT.
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: C. S. Jutla

Docket No.: YOR920000763US1

Serial No.:

Group No.:

Filed: Herewith

Examiner:

For: IMPROVED SYMMETRIC KEY AUTHENTICATED ENCRYPTION SCHEMES

Assistant Commissioner for Patents

Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

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Date of Deposit November 3, 2000

I hereby certify that the attached paper or fee

Patent Application Transmittal Letter (original and one copy)

Patent Application

Declaration and Power of Attorney

Drawings

Recordation Form Cover Sheet

Assignment to IBM

Return Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Emily S. Forbes

(Name)

Emily S. Forbes

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